

Application Number: 10/734,973
Amendment dated: December 1, 2004
Reply to Office Action of: June 4, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (new) A heat fan apparatus comprising:
 - A. a housing;
 - B. a drive means mounted in said housing;
 - C. an electrical conductor means mounted within said housing and extending outwardly therefrom, said electrical conductor means being operatively connected to a source of electrical power for conducting current therethrough;
 - D. a ball bearing means mounted upon said electrical conductor means and being rotatably movable with respect thereto, said ball bearing means being electrically conductive with respect to said electrical conductor means;
 - E. a fan hub fixedly mounted with respect to said drive means to be rotatably movable therewith;
 - F. a ring means fixedly mounted within said fan hub and rotatably driven therewith, said ring means being continuously positioned in abutment with respect to said ball bearing means to maintain electrical conducting therewith;
 - G. a fan means fixedly secured with respect to said fan hub and including a plurality of individual fan blades extending outwardly from said fan hub, each fan blade defining a slot means therewithin; and
 - H. a heating means positioned at least partly within said slot means defined in said fan blades to facilitate heating of air being blown therefrom.
4. (new) A heat fan apparatus as defined in Claim 3 wherein said electrical conductor means includes:
 - A. a first electrical conductor fixed mounted with respect to said housing and extending outwardly therefrom; and
 - B. a second electrical conductor fixedly mounted with respect to said housing and extending outwardly therefrom.
5. (new) A heat fan apparatus as defined in Claim 4 wherein said ball bearing means includes:

- A. a first ball bearing means rotatably mounted on said first electrical conductor and in electrically conducting communication therewith; and
 - B. a second ball bearing means rotatably mounted on said second electrical conductor and in electrical conductance therewith.
6. (new) A heat fan apparatus as defined in Claim 5 wherein said ring means includes:
- A. a first ring member fixedly mounted within said fan hub and maintaining electrically conductive contact with said first ball bearing means during rotational driving of said fan; and
 - B. a second ring member fixedly mounted within said fan hub and maintaining electrically conductive contact with said second ball bearing means during rotational driven of said fan, said second ring member being electrically insulated from said first ring member.
7. (new) A heat fan apparatus as defined in Claim 6 wherein each of said heating means located on each of said fan blades includes a first heating end and a second heating end wherein all of said first heating ends are maintained in electrically conducting contact with respect to said first ring member during rotational movement of said fan and wherein all of said second heating ends are maintained in electrically conducting contact with respect to said second ring member during rotational movement of said fan.
8. (new) A heat fan apparatus as defined in Claim 3 further comprising a plurality of bracket members mounted to said fan blades adjacent said heating means for extending thereover to facilitate retaining of said heating means extending at least partially within said slot means defined therewithin.
9. (new) A heat fan apparatus as defined in Claim 8 wherein each of said bracket members includes a bow spring member extending over said heating means for biasing thereof into said slot means.